MagicCloser Installation/Users Guide

1. Introduction

Congratulations on the purchase of the MagicCloser Garage Door Closer. The MagicCloser is easy to install and will provide the comfort and peace of mind that the garage door won't remain open indefinitely whether you're at home or not, as it will close automatically after a pre-determined amount of time has been selected to suit your lifestyle and needs. The MagicCloser consists of two devices. The transmitter (MC-TX) mounts on the backside of the garage door and is powered by a coin cell battery, while the (MC-RX) mounts next to the existing garage door push button and utilizes the existing power from your Garage door opener wall switch.

Warning

Prior to installing MagicCloser, ensure that the garage door is equipped with an external entrapment protection device, such as an infrared beam sensor, which can detect an object obstructing the garage door. A garage door opener that does not have an auto-reversing feature should be replaced by one that has the auto-reversing feature. It is recommended that MagicCloser be installed on a garage door with the entrapment/auto-reversing feature. Without a functioning safety reversal system, a person could be seriously injured or killed by a closing garage door.

2. Installation

MagicCloser Transmitter (MC-TX) Installation

To install the Magic Closer transmitter (MC-TX) peel off the sticky back from the attached Velcro on the backside of the MC-TX and attach to the top back side of the garage door (figure 1). Orientation does not matter.

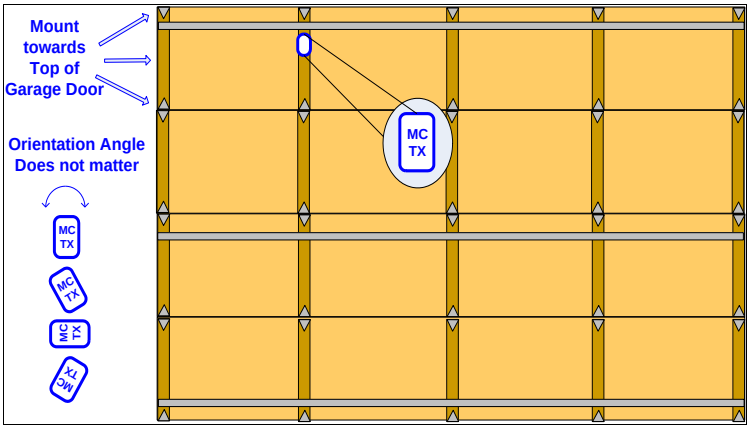

Figure 1 Mounting Location for MagicCloser Transmitter.

MagicCloser Receiver (MC-RX) Installation

To install the MagicCloser receiver (MC-RX), remove the existing garage door switch, loosen the current wires on the switch, add the MagicCloser wires to the screws, and re-tighten the screws with both the original wires on the switch and the new wires from the MagicCloser. The MagicCloser receiver is installed in addition to the existing wall switch. The red wire is connected to the positive terminal of the existing switch (commonly brass, or gold colored). The black wire is connected to the negative terminal of the existing wall switch (commonly silver). See figures 2 & 3 for examples.

Single Button Existing Garage Door Switch (Figure 2) and Multi-Function Garage door Switch (Figure 3)

Note: For Multi-Function switch (Figure 3) a small standard (flat) screwdriver will be required to insert into the top of the push panel to pry outward to remove the cover and expose the interior of the unit.

1. Remove the existing garage door switch or multi-function switch by removing the screws attaching it to the wall.
2. Loosen existing terminal screws for wires that power and control the garage door closer.
3. Attach the Red (positive+) wire of the MagicCloser to existing red or red striped wire (sometimes labeled + or pos), and retighten along with the original wire on the garage door switch, so that both wires are now on the screw terminal.
4. Attach the Black (negative-) wire of the MagicCloser to existing white or solid color wire, (sometimes labeled - or neg), and retighten along with the original wire on the garage door switch, so that both wires are now on the screw terminal.
5. Re-attach the original garage door switch back onto the wall. Note: Be sure the wires from both the garage door unit and MagicCloser are nestled in the pre-cut slot for flush mounting.
6. Attach the MagicCloser receiver to the wall with two #6x1/2 screws.
7. Using a paper clip tip press and hold the Reset switch for 5 seconds to allow the complete reset of the receiver.

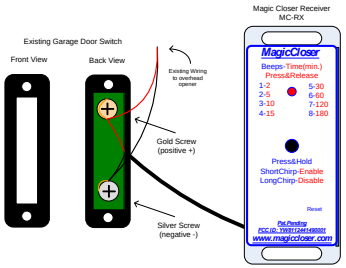

Figure 2 Connection to existing garage door switch.

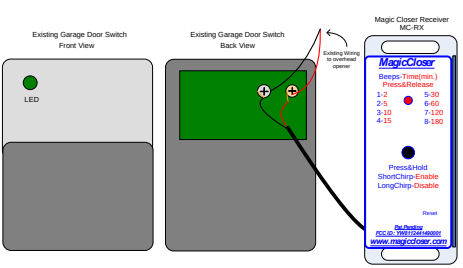

Figure 3 Connection to the existing Multi-Function garage door switch.

3. Operation

How to Determine Current Time Setting

Press and quickly release the push-button on the MagicCloser receiver. The MagicCloser will indicate it's current activation time setting by providing 1 to 8 beeps. One beep indicates the setting to be 2 minutes, two beeps represents 5 minutes, etc. (See table 1).

Table 1: Activation Time Delay

Beeps	Time Setting (min)
1	2
2	5
3	10
4	15
5	30
6	60 (1 hour)
7	120 (2 hours)
8	180 (3 hours)

Setting the Activation Time

Press and quickly release the push-button on the MagicCloser receiver. The first press and quick release indicates the current time setting. Press and quickly release the push-button again after the beeps are finished. The setting will advance to the next time period. Continue pressing and quickly releasing the push-button until the number of beeps heard matches the activation time delay setting in table #1.

Enabling/Disabling MagicCloser

Enabling and disabling of the MagicCloser. Press and hold the push-button approximately 3 seconds until the MagicCloser chirps. A short chirp indicates that the unit has been enabled. A long chirp indicates that the unit has been disabled. If you are unsure whether or not it was a short or long chirp just press and hold the push-button again to compare the length of the chirp.

Table 2: LED/Beeper Indicators

LED	Beeper	Indication
OFF	OFF	MagicCloser is disabled OR garage door is closed
Blinks Once/sec.	OFF	MagicCloser in count down, Activation between 60 sec. and time setting.
Blinks Once/sec.	Beeps Once/sec.	MagicCloser in count down, Activation between 15 to 60 sec.
Blinks twice/sec.	Beeps Twice/sec.	MagicCloser in count down, Actvation less than 15 seconds.
3 Flashes 2 sec. apart	OFF	MagicCloser TX battery low, Replace battery in Transmitter
Rapidly Blinking	OFF	MagicCloser radio link lost, Check battery in transmitter
LED/Beeper Chirps (Short Chirp)		MagicCloser Enabled
LED/Beeper Chirps (Long Chirp)		MagicCloser Disabled

IMPORTANT

It is important to note that MagicCloser simply presses the garage door button for you after a pre-determined amount of time. Therefore, if the garage door is open or partially open (as in the case of ventaltion during the summer) the direction of the garage door is determined by the previous travel direction before the door was stopped. Some models will allow you to leave the garage door partially open after previously traveling in either direction. Some models will only allow you to leave the garage door open when it was previously traveling in the up direction. If the MagicCloser activates and the garage door opens instead of closes the MagicCloser will re-activate and close the garage door within 1 minute as it still senses that the garage door is open.

4. FCC

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: a) Reorient or relocate the receiving antenna, b) Increase the separation between the equipment and receiver, c) connect the equipment into an outlet on a circuit different from that to which the receiver is connected, 4) Consult the dealer or an experienced radio/TV technician for help.

5. Frequently Asked Questions/Troubleshooting

The MagicCloser is blinking but I do not know when it will activate (close the garage door)? How can I determine the activation time?
If MagicCloser is blinking and beeping with a one second interval then MagicCloser is 15 to 60 seconds from activation. If MagicCloser is blinking and beeping twice per second then MagicCloser is 15 seconds or less from activation. If MagicCloser is just blinking then it is actively counting down to activation. The time until activation ranges from one minute up to the activation time setting (refer to the label on MC-RX or table 1). If you have forgotten the activation time setting you may press and quickly release the push button to allow the MagicCloser to indicate its current time setting. The number of beeps will refer to the time activation setting, for example 1 beep is 2 minutes, 2 beeps is 5 minutes, etc... Refer to "How to determine current time setting" above or refer to the time setting chart on the label of the MagicCloser RX. The MC-RX will restart the activation time after indicating the setting.

I have pressed and released the MagicCloser button and heard 4 beeps. This indicates the time setting to be 15 minutes. However, before the 15 minutes have expired I decided to disable the MagicCloser. How do I do that and how do I know if it has been disabled?
Press and hold the MagicCloser push button until a long chirp is heard and the LED turns off. If you are uncertain if the chirp was a long chirp perform the press and hold of the push button again and compare if it was a short or long chirp. The enabling/disabling may be done as many times as needed to make the determination. However, if the LED was previously blinking and you press and hold the push button and the LED is turned off then it was disabled. MagicCloser is not actively counting down when the red LED is not blinking.

Why does the MagicCloser open the garage door instead of close it?
It is possible that when MagicCloser activates that the garage door opens. This is possible due to the state of how the garage door was stopped originally. If it was stopped while traveling down then activation will open the garage door. This is temporary as MagicCloser will still see that the garage door is open and re-activate again within 1 minute to close the garage door. This functionality is normal and should be no cause for concern. Re-activation of the MagicCloser will close the door.

Why isn't the LED blinking on the MagicCloser?
MagicCloser is disabled or the garage door is closed.

What does the reset pinhole switch do? And why is it needed?
The pinhole switch resets power to the MagicCloser receiver. Instead of having to disconnect wires the reset switch is a convenient way to reset power to the receiver. At installation it is advisable to press and hold the reset switch for 5 seconds to allow a complete reset of the receiver. This allows the receiver to harness power from the garage door opener.

6. Customer Service

If you are having difficulty with installation or operation of MagicCloser please visit our website to download the latest information and user's manual.

Main Website: www.magiccloser.com Sales/Support: support@magiccloser.com